

10/087,346

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FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 15:24:41 ON 12 MAY 2005

L1 80 S NEAR(W) DIPLOID(W) IMMORTALIZED(W) KERATINOCYTE OR NIKS
 L2 270330 S SURFACE(W) ELECTRICAL(W) CAPACITANCE OR SEC
 L3 0 S L1 AND L2
 L4 3140 S SKIN(W) EQUIVALENT OR ARTIFICIAL(W) SKIN
 L5 3 S L1 AND L4
 L6 3 DUP REM L5 (0 DUPLICATES REMOVED)

=> d bib ab 1-3 16

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2005:121071 CAPLUS
 DN 142:225620
 TI Human **skin equivalents** expressing exogenous KGF-2 polypeptides
 IN Centanni, John M.; Allen-Hoffmann, Lynn
 PA Stratatech Corporation, USA
 SO PCT Int. Appl., 116 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005012492	A2	20050210	WO 2004-US24627	20040730
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2005079578	A1	20050414	US 2004-909119	20040730
PRAI	US 2003-491869P	P	20030801		
	US 2003-493664P	P	20030808		

AB The present invention relates generally to compns. for wound closure. More specifically, the present invention provides human **skin equiv.** engineered to express exogenous polypeptides (e.g., antimicrobial polypeptides and keratinocyte growth factor 2) and compns. and methods for making human **skin equiv.** engineered to express exogenous polypeptides. In addition, the present invention provides methods for treatment of wounds with human **skin equiv.** engineered to express exogenous polypeptides. The present invention provides methods for providing cells expressing heterologous KGF-2 comprising: providing a host cell selected from the group consisting of primary keratinocytes and immortalized keratinocytes and an expression vector comprising a DNA sequence encoding KGF-2 operably linked to a regulatory sequence; transformation of cells with the expression vector and expression of KGF-2 in host cells. The invention further provides a method of treating wounds comprising: providing primary or immortalized keratinocytes expressing a exogenous antimicrobial polypeptide such as human β -defensin 1, 2, 3, and human cathelicidin.

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:1124584 CAPLUS
DN 142:80012
TI Method for freezing and/or drying organs formed from mammalian cells
modified with genes encoding antifreeze late embryogenesis protein HVA1,
or genes for osmoprotective trehalose transport or synthesis
IN Conrad, Paul; Hoffmann, Michael; Allen-Hoffmann, Lynn
PA Stratatech Corporation, USA
SO PCT Int. Appl., 94 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004110372	A2	20041223	WO 2004-US17167	20040528
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRAI US 2003-474334P P 20030530
US 2004-857764 A 20040528

AB The present invention relates generally to compns. and method for freezing and/or drying organs for storage using osmoprotectants to improve survival of tissue. In particular, the present invention relates to the genetic modification of cells used to form organs to express osmoprotectant and antifreeze proteins. According to the invention, mammalian cells may be modified with genes encoding barley antifreeze late embryogenesis protein HVA1, trehalose transport protein, such as yeast AGT1, or a trehalose synthesis pathway. The genes encoding a trehalose synthesis pathway include otsA (encoding trehalose-6-phosphate synthase) and otsB (encoding trehalose-6-phosphate phosphatase) from Escherichia coli. The invention also provides methods of treating patients with organs that have been preserved by freezing and/or drying. The production and cryopreservation of **skin equiv.** from **NIKS** cells were demonstrated. Trehalose synthesis and uptake in transgenic **NIKS** cells were also demonstrated.

L6 ANSWER 3 OF 3 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2000:275710 BIOSIS
DN PREV200000275710

TI Use of the spontaneously immortalized keratinocyte cell line (NIKSTM) to study tumor and epithelial cell interactions in a reconstructed human **skin equivalent**.

AU Pickart, Michael A. [Reprint author]; Clotfelter, Justine T.; Hudson, Laurie G.; Harari, Paul M.; Allen-Hoffmann, B. Lynn

CS Univ of New Mexico, Albuquerque, NM, USA

SO Proceedings of the American Association for Cancer Research Annual Meeting, (March, 2000) No. 41, pp. 831. print.

Meeting Info.: 91st Annual Meeting of the American Association for Cancer Research. San Francisco, California, USA. April 01-05, 2000.

ISSN: 0197-016X.

DT Conference; (Meeting)

Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 30 Jun 2000

Last Updated on STN: 7 Jan 2002

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DB=PGPB,USPT; PLUR=YES; OP=AND

L4 11 with 12L3 11 and L2L2 surface adj electrical adj capacitance or secL1 (diploid adj immortalized adj keratinocyte) or niksHit Count Set Name

result set

5 L4420 L3717769 L2706 L1

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- ☐ 1. [20040022869](#). 02 Dec 02. 05 Feb 04. Methods and compositions for modulating the immune system and uses thereof. Chen, Lan Bo, et al. 424/623; 514/11 514/12 514/165 514/183 514/291 514/365 514/449 514/50 514/557 514/559 514/573 514/675 A61K038/17 A61K031/557 A61K031/337 A61K031/426 A61K031/427 A61K031/7072.
- ☐ 2. [20020187498](#). 01 Mar 02. 12 Dec 02. Skin substitutes for irritancy testing. Comer, Allen, et al. 435/6; 435/371 C12N001/68 C12N005/08.
- ☐ 3. [20020164793](#). 01 Mar 02. 07 Nov 02. Skin substitutes and uses thereof. Conrad, Paul Barth, et al. 435/371; 424/93.7 C12N005/08 A61K045/00.
- ☐ 4. [6846675](#). 01 Mar 02; 25 Jan 05. Skin substitutes and uses thereof. Conrad; Paul Barth, et al. 435/371; 424/93.7 435/373 435/382 435/393. C12N005/08.
- ☐ 5. [6822138](#). 02 Nov 00; 23 Nov 04. NIK-knockout mice. Schreiber; Robert D., et al. 800/18; 800/21. A01K067/027 C12N015/00.

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Inventor Name Search Result

Your Search was:

Last Name = COMER

First Name = ALLEN

Application#	Patent#	Status	Date Filed	Title	Inventor Name 12
60632701	Not Issued	020	12/02/2004	VECTORS FOR STABLE GENE EXPRESSION	COMER, ALLEN
60629148	Not Issued	020	11/18/2004	VECTORS FOR KERATINOCYTE EXPRESSION	COMER, ALLEN
60376488	Not Issued	159	04/30/2002	KERATINOCYTES EXPRESSING EXOGENOUS ANGIOGENIC GROWTH FACTORS	COMER, ALLEN
60297284	Not Issued	159	06/11/2001	SCREEN FOR SELECTIVE INHIBITORS OR ACTIVATORS OF SMAD PROTEIN FUNCTION	COMER, ALLEN R.
60287898	Not Issued	159	05/01/2001	SKIN SUBSTITUTES FOR IRRITANCY TESTING	COMER, ALLEN
60273034	Not Issued	159	03/02/2001	SKIN SUBSTITUTES WITH IMPROVED BARRIER FUNCTION	COMER, ALLEN
10848646	Not Issued	020	05/19/2004	KERATINOCYTES EXPRESSING EXOGENOUS ANGIOGENIC GROWTH FACTORS	COMER, ALLEN
10425784	Not Issued	071	04/29/2003	KERATINOCYTES EXPRESSING EXOGENOUS ANGIOGENIC GROWTH FACTORS	COMER, ALLEN
10166917	Not Issued	092	06/11/2002	SCREEN FOR SELECTIVE INHIBITORS OR ACTIVATORS OF SMAD PROTEIN FUNCTION	COMER, ALLEN R.
10087388	Not Issued	061	03/01/2002	SKIN SUBSTITUTES FOR IRRITANCY TESTING	COMER, ALLEN
10087346	Not	071	03/01/2002	SKIN SUBSTITUTES WITH	COMER, ALLEN

	Issued		IMPROVED BARRIER FUNCTION	
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Inventor Search Completed: No Records to Display.

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Inventor Name Search Result

Your Search was:

Last Name = ALLEN-HOFFMANN

First Name = LYNN

Application#	Patent#	Status	Date Filed	Title	Inventor Name 18
<u>60662831</u>	Not Issued	020	03/17/2005	SKIN SUBSTITUTES WITH IMPROVED PURITY	ALLEN-HOFFMANN, LYNN
<u>60493664</u>	Not Issued	159	08/08/2003	NIKS CELLS EXPRESSING KGF-2	ALLEN-HOFFMANN, LYNN
<u>60491869</u>	Not Issued	159	08/01/2003	HUMAN SKIN EQUIVALENTS ENGINEERED TO EXPRESS EXOGENOUS ANTIMICROBIAL POLYPEPTIDES	ALLEN-HOFFMANN, LYNN
<u>60474334</u>	Not Issued	159	05/30/2003	ROOM TEMPERATURE STORAGE OF ORGANS	ALLEN-HOFFMANN, LYNN
<u>60400726</u>	Not Issued	159	08/02/2002	SPECIES SPECIFIC DNA DETECTION	ALLEN-HOFFMANN, LYNN
<u>60376488</u>	Not Issued	159	04/30/2002	KERATINOCYTES EXPRESSING EXOGENOUS ANGIOGENIC GROWTH FACTORS	ALLEN-HOFFMANN, LYNN
<u>60287898</u>	Not Issued	159	05/01/2001	SKIN SUBSTITUTES FOR IRRITANCY TESTING	ALLEN-HOFFMANN, LYNN
<u>60273034</u>	Not Issued	159	03/02/2001	SKIN SUBSTITUTES WITH IMPROVED BARRIER FUNCTION	ALLEN-HOFFMANN, LYNN
<u>11006014</u>	Not Issued	019	12/07/2004	SKIN SUBSTITUTES AND USES THEREOF	ALLEN-HOFFMANN, LYNN
<u>10909119</u>	Not Issued	030	07/30/2004	HUMAN SKIN EQUIVALENTS EXPRESSING EXOGENOUS POLYPEPTIDES	ALLEN-HOFFMANN, LYNN
<u>10857764</u>	Not Issued	019	05/28/2004	ROOM TEMPERATURE STORAGE OF ORGANS	ALLEN-HOFFMANN, LYNN
<u>10633141</u>	Not Issued	030	08/01/2003	SPECIES SPECIFIC DNA DETECTION	ALLEN-HOFFMANN, LYNN
<u>10087641</u>	<u>6846675</u>	150	03/01/2002	SKIN SUBSTITUTES AND	ALLEN-

				USES THEREOF	HOFFMANN, LYNN
<u>10087388</u>	Not Issued	061	03/01/2002	SKIN SUBSTITUTES FOR IRRITANCY TESTING	ALLEN- HOFFMANN, LYNN
<u>10087346</u>	Not Issued	071	03/01/2002	SKIN SUBSTITUTES WITH IMPROVED BARRIER FUNCTION	ALLEN- HOFFMANN, LYNN
<u>09277295</u>	<u>6214567</u>	150	03/26/1999	IMMORTALIZED HUMAN KERATINOCYTE CELL LINE	ALLEN- HOFFMANN, LYNN
<u>09114557</u>	<u>5989837</u>	150	07/13/1998	IMMORTALIZED HUMAN KERATINOCYTE CELL LINE	ALLEN- HOFFMANN, LYNN N.M.I.

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